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The design and performance of a real-time CORBA event service

TH Harrison, DL Levine, DC Schmidt - ACM SIGPLAN Notices, 1997 - portal.acm.org ... liable delivery and deferred synchronous invocations require the use of the CORBA Dynamic Invocation Interface ... threads to the system has many negative consequences (such as increased context switching overhead ... Figure 5: Example Avionics Application with Event Channel ... Cited by 428 - Related articles - BL Direct - All 32 versions

Dynamic support for distributed auto-adaptive applications

AL de Moura, C Ururahy, R ... - ... of the 22nd 2002 - doi jeeecomputersociety.org ... This standard event observer registers notified events in a global gueue of events. ... For a final identification of this state, the treatment of an event can use other properties ... the LuaCorba system, however, have shown themselves adequate for use in this context, thus eliminating ... Cited by 28 - Related articles - All 11 versions

Extensibility safety and performance in the SPIN operating system

BN Bershad, S Savage, P Pardyak, EG Sirer ... - Proceedings of the 1995 - portal acm.org ... Events are declared within interfaces, and can be dispatched with the overhead of a procedure call. ... fme-grained operations, enforced modularity and logical protection domains to manage protection, and dynamic call binding to define relationships between system com-... Cited by 1105 - Related articles - BL Direct - All 12 versions

IPDFI Formalizing dynamic software updating

G Bierman, M Hicks, P Sewell, G Stoyle - Proc. 2nd International 2003 - Citeseer ... components; to access the z component of a module named M , one can write either M ,z, which will use the newest version of the module M. or M.n. z (for ... 2.2 Semantics Figure 2 presents the dynamics of the calculus, ... programs. Context composition is denoted by , as in E ... Cited by 56 - Related articles - View as HTML - All 17 versions

IPDFI Chisel: A policy-driven, context-aware, dynamic adaptation framework

J Keeney, V Cahill - POLICY, 2003 - Citeseer

... This type of event will be typically thrown as a consequence of an adaptation policy rule. See figure 7 above, 4. Chisel in use; adaptive middleware for mobile computing This section describes the use of the Chisel dynamic adaptation framework to implement context-aware ...

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Cited by 100 - Related articles - View as HTML - All 9 versions

IPDFI COSMIC: A middleware for event-based interaction on CAN

J Kaiser, C Brudna, C Mitidieri, ... - 9th IEEE 2003 - wwwivs.cs.uni-magdeburg.de ... An event is further characterized by a set of attributes. The attributes related to context may comprise eg a location and the time of occurrence. ... 2. publish EVENT 4. notify EVENT Configuration Protocol List of Local Event Channels (LECL) SRT QUEUE NRT QUEUE TX buffer ...

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[PDF] ARX/ULTRA: A new real-time kernel architecture for supporting user-level ...

S Hong, Y Seo, J Park - 1997 - Citeseer ... We refer to the new scheme as dynamic stack binding. With this scheme, the kernel ... kernel context, depending on the ag. The kernel context contains the blocked kernel stack id. ... when it attempts

to access an event queue. In most conventional time-sharing operating systems. ... Cited by 7 - Related articles - View as HTML - All 11 versions

Cited by 21 - Related articles - View as HTML - All 4 versions

IPDFI Dynamic reconfiguration of distributed applications

orchestrate "application" : { tool "producer1" : "producer" tool "consumer1" : "consumer" bind

CR Hofmeister - University of Maryland at College Park, College Park, 1993 - Citeseer ... A particular dynamic reconquiration activity, such as replacement, consists of a sequence ...

"producer produce" "consumer1 ... Figure 2.7: Reconguration Events for Replacing the Consumer ... Cited by 94 - Related articles - View as HTML - All 11 versions

System test synthesis from UML models of distributed software

S Pickin, C Jard, Y Le Traon, T Jéron, JM ... - Lecture Notes in 2002 - Springer ... The event queue and the thread are also reified in the transformed model (ie it contains ... This

subtype has the same interface (signature) as the context: this interface comprises one ... corresponding to this (sub-)state implements the operation corresponding to that event with a ...

Cited by 31 - Related articles - BL Direct - All 12 versions

IPDFI Using visualization to foster object-oriented program understanding

... A natural storage facility for events might be an ordered queue, or even a specialized database that could support queries. ... Within this context, we can dene several digrent types of views that

can be created: ... Textual views of program events and source code. ... Cited by 55 - Related articles - View as HTML - All 12 versions

DF Jerding, JT Stasko - Georgia Institute of Technology, Atlanta, GA, ..., 1994 - Citeseer

Exploiting an event-based infrastructure to develop complex distributed systems

G Cugola, E Di Nitto, A Fuggetta - Proceedings of the 20th 1998 - portal acm.org ... In this context it is vital to identify means to reduce the event traffic and optimize the ... Event-based

systems can be considered as an evolution of a well-established class of products often called ...

In several MOMS, there can be multiple consumers for the same mes- sage queue. ... Cited by 214 - Related articles - BL Direct - All 16 versions

http://scholar.google.com/scholar/fil=ec@num=100&q=queue+and+event+and++c..and+dynamic+and+bini+and+global&btnG=Search&as_sdt=5000&as_ylo=&as_vis=0 (2 of 17)1/12/5010 11:46:12 PM

Cited by 1 - Related articles - BL Direct - All 4 versions

A context-based object-oriented application framework for discrete event ...

JT Lin, KC Yeh, LC Sheu - Computers & Industrial Engineering, 1996 - Elsevier ... nServers/servers) void CONTEXTINITL() SETRESOURCE(Server, "Server", nServers); Q FTFO(Queue, "Queue"); SETSTAT (timelnSystem, "Time in System"); SETSTAT (timelnQueue, "Time in Queue"); Schedule 1st event of this context EntityClass FirstCustomer ...

IPDFI OSA: an Open Component-based Architecture for Discrete-Event Simulation

O Dalle - Proceedings of of the 20th European Conference on ..., 2006 - Citeseer ... It is worth stressing that in the context of simulation modeling, the isolation prop-erty of ... Dynamic structure of models[4] may be implemented using the special actory and template components ... An event queue should be associated with each func-tional interface of a component ... Cited by 10 - Related articles - View as HTML - All 18 versions

psu.edu [PDF]

Checking timing constraints in distributed object-oriented programs

M Gergeleit, J Kaiser, H Streich - ACM SIGPLAN OOPS Messenger, 1996 - portal.acm.org ... In our special object-oriented environment the eventing system has to do filtering not only based on the static event name but also based on the dynamic event context. ... Event-Queue Event-Dispatch-Table Constraint Event Graphs Histories ... Cited by 20 - Related articles - BL Direct - All 2 versions

[PDF] ASX: an object-oriented framework for developing distributed applications

DC Schmidt - Proceedings of the, 1994 - Citeseer
...Instead, it is invoked by a sepa- rate thread associated with its Task. This thread provides an execution context and thread of control for the Task's svc method. This method runs an event loop that continu- ously waits for messages to arrive on the Task's Message Queue. ...

psu.edu [PDF]

[PDF] Programming Secure and Robust Pervasive Computing Applications

Cited by 245 - Related articles - View as HTML - All 28 versions

D Kulkami, A Tripathi, T Ahmed - Minnesota Univ, 2006 - Citeseer
... exception delivery and handling whereby the exception operation is enabled only when an
exception is delivered to the exception interface queue and the exception is ... A context guard
specification consists of two things: specification of the trigger event, specified through ...
Cited by 1 - Related articles - View as HTML - All 4 versions

psu.edu [PDF]

Dynamic rebinding for marshalling and update, via redex-time and destruct-time ...

P Sewell, G Stoyle, M Hicks, G ... - Journal of ..., 2007 - Cambridge Univ Press
... run-lime library functions, and, more interestingly, "internal" identifiers from application libraries
that exist in the new context. ... Flexible control of dynamic rebinding can ... For example, when loading
an untrusted applet, we may bind its open identifier to a safe open function that ...
Cited by 3 - Related articles - All 9 versions

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... for parallel processing of events within multiple event contexts maintaining ordered ...

A Kumar, PR Chandra - US Patent App. 10/718.497, 2003 - Google Patents

... Typically, incoming data packets are entered into a dynamic random access memory (DRAM) 38 in communication with the network processor 26 so that they are ... This execution context removes the packet from the event queue, determines the event context 43 and ...

All 2 versions

... execution environment supporting dynamic changes disciplined through rules

M Colombo, E Di Nitto, M Mauri - Lecture Notes in Computer Science, 2006 - Springer ... when the component services do not behave as expected and when the execution context changes ... In the action part a request for executing a dynamic discovery and binding operation is ... The event queue is identified by the variable eventList that is defined as global and visible ... Cited by 32 - Related articles - BL Direct - All 3 versions

Distributed stochastic discrete-event simulation in parallel time streams

K Pawlikowski. VWC Yau, D McNickle - Proceedings of the 26th ..., 1994 - portal.acm.org ... number of shared buses were increased, contention for memory (processors queue for accessing ... The synchronisation of parallel (sub) streams of events simulated at different processors is ... method of Independent Replications, in the context of non-steady state simulation were ... Cited by 57 - Related articles - All 14 versions

Real-time CORBA

VF Wolfe, LC DiPippo, R Johnston, ... - ... of the 3rd IEEE ..., 1812 - doi.ieeecomputersociety.org ... order reflecting either the priority of the event or the priority of the event consumer, or ... All RT CORBA-level soft- ware that gueues one task while another is execut- ing should ... These exceptions should be handled within the context of the CORBA exception han- dling mechanism. ... Cited by 73 - Related articles - All 18 versions

An object-oriented framework for dynamically configuring extensible distributed ...

DC Schmidt, T Suda - Distributed Systems Engineering, 1994 - iop.org

... The ASX framework allows the choice between static and dynamic configuration to be ... connection requests and application data) onto pre-registered application-specified event handlers. ... such as memory-to-memory copying and data manipulation, context switching, scheduling ... Cited by 100 - Related articles - All 16 versions

An Event-Driven Adaptive Differentiated Service Web Container Architecture

LI Yang, C Ningijang, H Tao - doj.jeeecomputersociety.org

... for Servlet and JSP according to J2EE specification, has been adopted to provide dynamic content services by ... Reservation strategy services for only one classification event queue. ... Therefore, if we do not consider context strategy, then there is an inequation in differentiated ...

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Towards a rigorous semantics of UML supporting its multiview approach

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G Reggio, M Cerioli, E Astesiano - Lecture notes in computer science, 2001 - Springer ... e queue holds whenever the object if with configuration conf and event queue e queue using rds and atts may dispatch the event ev changing its configuration to conf and its event queue to e queue ... In a context extending the specifications Class Diagram, Act-Dynamic 1, ... Cited by 71 - Related articles - Bl. Direct - All 4 versions

Evaluating and improving the automatic analysis of implicit invocation systems

JS Bradbury, J Dingel - ACM SIGSOFT Software Engineering Notes, 2003 - portal acm.org
... The authors of (4) and (5) have made contributions to al-leviating both the semantic artifact gap
and state explosion problems in the context of II systems. ... Two, a priority-based policy that uses
a priority queue based on event type with random delay is used when the ...

Cited by 32 - Related articles - BL Direct - All 9 versions

Dynamic software updating

M Hicks, S Nettles - ACM Transactions on Programming Languages ..., 2005 - portal acm org ... if (E - null) return e, clast (RELINK') get next event', get next event'), return get next event(), r new version ... specially, perhaps by calling bits of old code, as we did for the queue example in ... ap-plying the patch replaces the existing type definition in the typechecking context with a ...

Cited by 277 - Related articles - BL Direct - All 28 versions

IPDFI Modeling the global internet

JH Cowie, DM Nicol, AT Ogielski - Computing in Science and ..., 1999 - Citeseer
The last decade has seen a radical shift in thinking about dynamic behavior of ... multiple processors become instantly useless outside of their original design context because of ... imple-menters, hiding all details of simulator internals (threads, processors, event queues, and syn ...

Cited by 210 - Related articles - View as HTML - BL Direct - All 20 versions

Aurora: An architecture for dynamic and adaptive work sessions in open ...

M. Marazakis, D. Papadakis, C. Nikolaou - Lecture notes in computer ..., 1998 - Springer ... sessions, by binding output queues to to one or more input queues. This is ... it is too restrictive for more open-ended interactions as in the context of network ... relies on explicitly establishing communication channels among components, in response to events, accomodates dynamic ... Cited by 7 - Related articles - BL Direct - All T versions

MobiPADS: a reflective middleware for context-aware mobile computing

ATS Chan, SN Chuang - IEEE Transactions on ..., 2003 - doi:ieeecomputersociety.org ... a mobile is still free to receive messages using its message queue, thus avoiding ... 25 show the notifyContext() method, which will be called back when the event occurs ... does not have specific mechanisms to support mobile computing applications so that context awareness can ... Cited by 135 - Related articles - BL Direct - All 15 versions

An outline of PVS semantics for UML statecharts

I Traoré - Journal of Universal Computer Science, 2000 - jucs.org

 $http://scholar.google.com/scholar/ful=en&num=100&eq=quene+and+event+and++e...and+dynamic+and+dynamic+and+global&btuG=Search&as_sh=2000&as_ylo=&as_vis=0 (5 of 17)1/12/2010 11:46:12 PM$

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... InService has two direct substates (called also regions), namely, states Dynamic and FloorRequested ... sm))): S = container(Root(sm))) AND (context(sm) = behavioral OR context(sm) = classifier ... record type called globalState consisting of a state configuration and an event queue. ... Cited by 32 - Related articles - All 3 versions

Dynamic memory usage in parallel simulation: a case study of a large-scale ...

CJM Booth, DI Bruce, PR Hoare, MJ Kirton, ... - Proceedings of the ..., 1996 - portal.acm.org ... three main features asso- ciated with the logistics application that made it worthy of detailed study in the context of parallel ... Dynamic Memory Usage in Parallel Simulation 979 ... Extended BTB folds back into the event queue events generated for objects on the same processor. ...

Cited by 2 - Related articles - BL Direct - All 3 versions

IPDFI SLIC: A specification language for interface checking (of C)

T Ball, SK Rajamani - Techn, Report MSR-TR-2001 - research, microsoft.com ... The \$int identifiers are used to refer to the actual/formal parameters, depending on the event

context (call and entry events).3 The identifier \$return is used to refer to the return ... queue (library) code, instrumented by SLIC ... See the Metal language [7] for examples of such events. ... Cited by 68 - Related articles - View as HTML - All 3 versions

Validation of UML models via a mapping to communicating extended timed ...

I Ober, S Graf, I Ober - Lecture Notes in Computer Science. 2004 - Springer ... the calls or signals coming from outside an activity group are placed in the group's queue and are ... run, there are mechanisms for identifying the particular event occur- rence that is relevant in a certain context. ... if the constraint is local to an object, ie all involved events are directly ... Cited by 20 - Related articles - BL Direct - All 14 versions

IBOOKI ... simulation: Integrating discrete event and continuous complex dynamic ...

BP Zeigler, H Praehofer, TG Kim - 2000 - books google.com ... Stochastic Systems: Conventional Approach to Uncertainty 233 10.2 DSDEVS (Dynamic Structure

DEVS ... Applicability of Identity-Erasing Aggregations 353 13.4 Abstractions for Event-Based Control ...

In this context this book marshals the available approaches and for- malisms in ... Cited by 465 - Related articles - Library Search

[PDF] Basic: A believable, adaptable socially intelligent character for social ...

DM Romano, G Sheppard, J Hall, A Miller, Z ... - Proceedings of the 8th 2005 - Citeseer ... 31 notes that social presence can be linked to a larger social context that includes ... These emotionally coded messages are placed in queues and processed by the character's perception ... The event processing module sends the interpreted event to update the internal status of ...

[PDF] Model checking dynamic and hierarchical UML state machines

Cited by 6 - Related articles - View as HTML - All 7 versions

T Jussila, J Dubrovin, T Junttila, T Latvala, I Porres - ..., Validation and Verification, - Citeseer ... Otherwise, an event occurrence is removed from the input queue and a prioritized enabled

http://scholar.google.com/scholar/filt=en&num=100&n=purue+and+event+and+ev_and+dynamic+and+bind+and+alohal&btuG=Search&as_sd=2000&as_vlo=&as_vis=0 (6 of 1711/12/2010 11:45:12 PM

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transition is ... If no such transition exists and the event is not deferrable, the event oc-currence is ...
of the transition t. –evalguard (obj., t, params) evaluates guard (t) in the context of object obj ...
Cited by 14 - Related articles - View as HTML - All 9 versions

A formalization of global simulation models for continuous/discrete systems

L Gheorghe, F Bouchhima, G Nicolescu, H. ... - Proceedings of the ..., 2007 - portal acm.org ... Before switching the context to the continuous simulator the discrete interface will send the data and the recalculated time ... In this work the time stamp can change after a state event ... equal or bigger then the time stamp that previously existed in the discrete simulator's queue – t dk ... Clied by 3. - Related articles

Higher Levels of Process Synchronisation

PH Welch, DC Wood - ... and Java: WoTUG-20: proceedings of ..., 1997 - books google.com ... If there are processes waiting to claim that SEMAPBORE, the first process on that queue is re ... of the number of clients and the same order of magnitude as an ordinary context switch Isub ... global data PAR PAR EVENT e process A process B process C PAR EVENT f process P ... Cited by 27 - Related articles - All 4 versions

Simulation of grid computing infrastructure: Challenges and solutions

S Bagchi - Proceedings of the 37th conference on Winter ..., 2005 - portal acm org ... Dynamic provisioning is performed in the context of replication of data to resources in a ... tasking, task parallelization, resource scheduling and resource provi-sioning based on dynamic policies. ...

of a simulation model with multi-tasking resources for two event queue designs: the ... Cited by 5 - Related articles - All 3 versions

Generic-Events Architecture: Integrating real-world aspects in event-based systems

A Casimiro, J Kaiser, P Verissimo - Lecture Notes in Computer Science, 2007 - Springer
... Deadlines are specified only for subscriptions. Therefore message scheduling is supported only
in the queues maintained in the receiver side. ... To cope with stage greater of an ad-hoc
environment, an event includes the description of the context in which it has been ...

Cited by 3 - Related articles - BL Direct - All 6 versions

An Integrated Platform for Mobile, Context-Aware, and Adaptive Enterprise ...

G Hübsch, T Springer, A Spriestersbach, T Ziegert - ... 2005 (Wi2005), Bamberg, ... - Springer

... The Dynamic Content inclusion component invokes resources for backend access referenced by the template's dynamic elements and replaces the enclosed field ... Context Profile Repository ... 4.3) utilizing a prioritized event queue to handle simultaneous occurrences of events. ...

Cited by 4 - Related articles - All 9 versions

[PDF] HP Caliper-An Architecture for Performance Analysis Tools

R Hundt - usenix.org

... A transparent dynamic optimizer named Dynamo is under development at the HP Laboratory ...
object model consisting of Measurement sets. Events. Processes. Configuration. Context and

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usenix.org [PDF]

Collectors. ... Event objects deal with application and user events and handle event queues. ...
Cited by 7 - Related articles - Cached - All 12 versions

IPDFI A compliant persistent architecture

..., D Balasubramaniam, M Greenwood, G Kirby, ... - Software Practice and ..., 2000 - Citeseer ... allow flexibility in terms of resource management policy, to the extent of **dynamic**, run-time ... using

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... allow flexibility in terms of resource management policy, to the extent of dynamic, run-time ... using the inheritance hierarchy, for extensions that conform to the sub-class late binding rules, or by ... The user-level context has been saved to a logical Event Context Buffer (ECB) whose ...

Cited by 46 - Related articles - View as HTML - BL Direct - All 11 versions

STATL: An attack language for state-based intrusion detection
ST Eckmann, G Vigna. RA Kemmerer - Journal of Computer Security, 2002 - IOS Press

Si Excimant, G vigna, rAx hemmerer - Journal or Computer Security, 2002 - 105 Press ... In addition, a common language would support dynamic reconfiguration of responses ... Assertions appear as filter conditions in states and in event specs (which are the matching element of transitions ... A STATL assertion is evaluated at runtime in the context of the global and local ...

Cited by 250 - Related articles - BL Direct - All 59 versions

Chisel: a policy-driven, context-aware, dynamic adaptation framework

CHISEL & POINTY-UTVEH, CONTEXT-AW

V CAHILL, J KEENEY - 2003 - tara.tod.ie
... This type of event will be typically thrown as a consequence of an adaptation policy rule. See figure 7 above. 4. Chisel in use: adaptive middleware for mobile computing This section describes

the use of the Chisel dynamic adaptation framework to implement context-aware ...

Related articles - View as HTML

A Composite-Event-Based Message-Oriented Middleware

P Yuan, H Jin - Lecture Notes in Computer Science, 2004 - Springer
... EM determines brokers that have registered a notification interest for such event occurrences, and then adds the pair of action and event into SEQ (Sending Event Queue)... Same composite

event patterns may imply totally different semantic meanings in different context. ...

Cited by 3 - Related articles - BL Direct - All 3 versions

IPDFI A system architecture for context-aware mobile computing

WN Schilit - 1995 - Citeseer

WN Schilft - 1995 - Citeseer
... as a function of the average number of messages that must be sent out per meeting update event ...

... as a function of the average number of messages that must os sent out per meeting update event, ...
varying resources should adapt current work queues in response to changes in the un-... four
important characteristics making it well suited to support context-aware computing. ...
Cited by 314. Related articles. - View as HTMI - All 15 versions

[PDF] Operating system extensibility through event capture

T Pinckney III - 1997 - Citeseer

....We propose approaching fitis problem by limiting the points at which events can be generated and in what context the extensions execute. ... consistent state before the extension is invoked. The second way is to queue the event and ...

http://scholar.google.com/scholar/ful=enAmm=100&q=quene+and+event+and++c_and+dynamic+and+bind+and+global&btuG=Search&as_sd=2000&as_ylo=&as_vis=0 (8 of 17)/12/2010 11:46:12 PM

Cited by 4 - Related articles - View as HTML - All 14 versions

IPDFI Model checking of UML models via a mapping to communicating extended ...

I Ober, S Graf, I Ober - SPIN Wishop on Model Checking of Software - Citeseer ... In a CETA context, for testing or enforcing a liming constraint from the UML model, we are presented with two alternatives. ... Besides events, an observer may access any part of the state of the UML model: object attributes and state, signal queues. ...
Cited by 8 - Related articles - View as HTML - All 4 versions

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IPDFI Software Integration Towards Global Computing

C Faigle, GC Fox, W Furmanski, T Haupt, J Niemiec - paper submitted to the 7th ... - Citeseer ... either block, waiting for a specific event, or it can poll the event queue without relinquishing ... In the context of HPFI, some of these asynchronous communication mechanisms will be used in ... For example, events are natural to im-plement dynamic load balancing or thread mobility ... Cited by 1. Related articles - View as HTML - All 4 versions

<u>psu.edu</u> [PDF]

IPDFI Constructing adaptive software in distributed systems

WK Chen, Millumen, R Schlichting - International Conference on ..., 2001 - Citeseer ... shared within a given composite protocol and a message ab- straction that provides for a dynamic set of ... Activation involves three steps, each of which changes event handler bindings ... may pass a queue of messages that were waiting to be trans- mitted; these messages must be ... Cited by 112 - Related articles - View as HTML - BL Direct - All 17 versions

<u>psu.edu</u> [PDF]

A Design of Context aware Smart Home Safety Management using by Networked ...

B Lee, H Kim - Proc. First IFIP WG6. 2 Home Networking Conference, 2007 - Springer
... The processed result is collected in result queue for inter-working with application. ... The return
methods are Web send in the THTPget, UMS and mobile phone SMS for user's urgent event. ... The
main advantage sof vince, PTHTPget, UMS and mobile phone SMS for user's urgent event. ... The
main advantage in spraperable the ser-cure connection and context policy based ...
Cited by 1 - Related articles - All 3 versions

dharlab.info [PDF]

Modeling Spatiotemporal Dynamics of Multicellular Signaling

H Zhu, PK Dhar - Introduction to systems biology, 2007 - Springer

... A message queue is created by the system in each object to buffer incoming ... 37), is challenging, given the prevalence of temporally and spatially overlapped signaling events in cells ... Although modeling parallel signaling processes in a multicellular context is still in its infancy, a ... Related articles - All 3 versions

TOSSIM: Accurate and scalable simulation of entire TinyOS applications

P Levis, N Lee, M Welsh, D Culler - Proceedings of the 1st ..., 2003 - portal.acm.org ... the charac- teristics of the sensor network domain to obtain a scale, fidelity, and completeness that would be intractable in a general purpose context. ... After each simulator event, TOSSIM runs the task queue of the mote associated with the event until the queue is empty. ...

Cited by 982 - Related articles - All 57 versions

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http://scholar.google.com/scholar/ful=en/kunum=100.6ep=quene+and+event+and+ec..and+dynamic+and+bind+and+global/kbtuG=Search/kas_sid=2000/kas_ylo=Ras_vis=0 (9 of 17)U12/2010 11:46:12 PM

The architecture of the READY event notification service

<u>psu.edu</u> [PDF]

RE Gruber, B Krishnamurthy, E... - Proceedings of the ..., 1999 - doi.ieeecomputersociety.org ... children. Context information represents information that ... implemented. The implementation of global ordering of event timestamps is done by placing matched events in a queue that is ordered by the lowest event timestamp. Notifications ... Cited by 111 - Related articles - All 7 versions

ServiceComposition: Concepts, Techniques

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B Benatallah, RM Dijkman, M Dumas, Z ... - Service-Oriented ..., 2005 - books google com ... Mealy machine, which consumes events from a queue and dispatches events to the queues of the ... measured in terms of the set of traces (that is, sequences of events) that can ... provisioning in wireless environments, important issues need to be tackled first: Context-sensitive Web ... Cified by 30 - Related articles - All 10 versions

[PDF] Design and implementation of a large-scale context fusion network

psu.edu [PDF]

G Chen, M Li, D Kotz - First Annual International Conference on Mobile ..., 2004 - Citeseer ... To cope with the dynamics of a ubicomp environ- ment, Solar exposes two interfaces ... for composers (typically applications) to specify op-erator graphs, identifying context-fusion operators ... queries while the data-reduction policy states how to drop or summarize an event queue. ... Cited by 84 - Related articles - View as HTML - All 21 versions

Integrating user-level threads with processes in Scsh

M Gasbichler, M Sperber - Higher-Order and Symbolic Computation, 2005 - Springer ... policy by deciding which threads to run for how long, and it handles events returned by ... level: The in-terrupt causes the command-level scheduler to swap its queue of runnable ... call to call-with-current-continuation captures a continuation corre-sponding to this control context ... Cited by 2 - Related articles - BL Direct - All 5 versions

IPDFI Real-time corba

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V Fay-Wolfe, LC DiPippo, G Cooper, R... - IEEE transactions on ..., 2000 - Citeseer ... 1. Naming – This service provides the ability to bind a name to an object relative to a naming context. It guarantees unique names for objects. ... The real-time Event Service provides priority-based queues for its event channels. It also delivers the time that a ... Cited by 34 - Related articles - View as HTML - BL Direct - All 18 versions

Context flow: An alternative to conventional pipelined architectures

NP Topham, A Omondi, RN libbett - The Journal of Supercomputing, 1988 - Springer ... Thus, implementations of global memory architectures and referentially transparent parallel combinator reduc-tion ... and B node may hold a single context, but M nodes may queue contexts for ... of instructions into a narrow format reduces the size of each dynamic context within the ... Cited by 9 - Related articles - All 3 versions

Automated program recognition by graph parsing

LM Wills - 1992 - dspace.mit.edu

... 5.2.3 Expressing Clichés with Loose Constraints 179 5.2.4 Engueuing New Messages and Events

183 5.2 ... Examples of data-structure clichés are sorted fist, priority queue, and hash table, ... parsing approach to program recognition to determine how it would fit into the context of a ... Cited by 147 - Related articles - All 7 versions

IPDFI An active web-based distributed database system for e-commerce

H Ishikawa, M Ohta - Proc. Web Dynamics Workshop, London, 2001 - Citeseer ... tag| '\$' variable | [tag| '\$' variable !' path path = "%" | tag | '@'attribute| path ! ' path | '(' path | ' path ')' |

text context-list = context '.' context-list | context context = variable URI uri ... The monitor usually keeps a queue of events generated by the matched event query and invokes ...

Cited by 12 - Related articles - View as HTML - All 14 versions

Validating timed UML models by simulation and verification

I Ober, S Graf, I Ober - International Journal on Software Tools for 2006 - Springer ... Generalisations: their semantics involves polymorphism and dynamic binding of operations. ...

mentioned external requests are deferred and stored in the activity groups' request queue as

long ... transition which is guarded only by a Boolean condition and not triggered by an event. ... Cited by 52 - Related articles - BL Direct - All 16 versions

Continuous abstractions for discrete event languages

DP Anderson, R Kuivila - Computer Music Journal, 1989 - istor.org ... block. The execution queue is a linked list of top-level active objects, sorted by external time position. The wakeup buffer stores descriptors for events waiting

to be performed and context blocks of suspended objects. A ... Cited by 18 - Related articles

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C ЫCX Э Ф Б С Ч II - hal archives-ouvertes.fr

... It is worth, stressing that in the context of simulation modeling, the isolation, ... Dynamic structure

of models\cite{Bar97} may be implemented using the Event queue components lay in the membrane component (as sub-components, %of the membrane component), ...

Related articles - View as HTML - All 2 versions

IPDFI Programming for pervasive computing environments

R Grimm, J Davis, E Lemar, A MacBeth, S ... - ... Technical Report UW- 2001 - Citeseer

... so that event handlers in the same environment use the (event handler, event) queue instead of ... While it introduces a performance over- head for every sent event, late binding also is ... responsive

and thus most reliable form of communication in a highly dynamic environment. ... Cited by 99 - Related articles - View as HTML - All 26 versions

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[PDF] The design and performance of a real-time notification service http://scholar.google.com/scholar/fib=en&num=100&n=ousse+and+event+and++_...nd+dynumic+and+bind+and+alobal&bunG=Search&as_sdt=2010&as_vb=&as_vis=0 (11 of 1711/12/2010 11:46:12 PM P Gore, DC Schmidt, C Gill, I Pyarali - Proceedings of the 10th IEEE Real-..., 2004 - Citeseer ... Dispatching component, which consists of a buffer queue that provides support for the Order and Discarding Policy QoS properties. ... 3.4 Optimizing Event Processing Context: During the processing of events within an event channel, the event type of the incoming ... Cited by 24 - Related articles - View as HTML - All 7 versions

IBOOKI Context Aware Notification in Global Software Development

Cited by 2 - Related articles - View as HTML - Library Search - All 3 versions PPDF Supporting adaptive ubiquitous applications with the SOLAR system

G Chen, D Kotz - Computer Science Technical Report TR2001-397. ..., 2001 - Citeseer ... named mergers, for example, to make pre-defined combinations of event streams available to many ... dissemination graph (such as printers that publish their current print queue) may also ... Furthermore, given the dynamic nature of an application's context in a pervasive-computing ... Cited by 21 - Related articles - View as HTML - All 28 versions

The Ninja architecture for robust Internet-scale systems and services

SD Gribble, M Welsh, R Von Behren, EA Brewer, D ... - Computer Networks, 2001 - Elsevier ... that can handle a fixed set of devices, our architecture supports the dynamic composition of ... each of which consists of a fixed-size thread pool, an incoming event queue, and a set of ... spawns and destroys clones in response to observed system load; workers' queue lengths and ... Cited by 347 - Related articles - All 23 versions

galsc: A language for event-driven embedded systems

E Cheong, J Liu - Proceedings of the conference on Design, ..., 2005 - portal.acm.org ... In galsC, all memory is statically allocated; there is no dynamic memory allocation. ... actor is in the scheduled context, and one or more other actors are in an interrupt context. There are two mechanisms for actors to communicate in galsC: event queues (ports) and guarded global ... Cited by 23 - Related articles - All 17 versions

[PDF] Effective Architectures for Distributed Object Computing

M Stal - Siemens: http://www. stal. de/Downloads/docpatterns. ... - Citeseer ... produce Subscriber consume creates receives Filter filter Page 32, 14:55 Michael Stal - Middleware Architecture 32 Dynamics Subscriber Event Queue Publisher attachSubscriber Event produce pushEvent event event event pushEvent consume detachSubscriber Page 33, 14:55 ... Cited by 3 - Related articles - View as HTML - All 2 versions

Concurrent operations on priority queues

DW Jones - 1989 - portal.acm.org
... investigated during the last decade, primarily in the context of database systems (I. 5. Io). ... This

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priority queue implementation can be used to speed up algorithms for finding such things as ... The classic disorde event simulation algorithm can also be described in these terms: A pro ...
Cited by 84 - Related articles - All 4 versions

An architectural framework and a middleware for cooperating smart components

A Casimiro, J Kaiser, P Verissimo - Proceedings of the 1st ..., 2004 - portal acm.org ... This is of course an overhead compared to the use of implicit knowledge, but in a dvnamic environment such information is needed. ... These al-low to characterize the

Cited by 14 - Related articles - All 12 versions

HP Caliper: A framework for performance analysis tools

R Hundt - IEEE CONCURRENCY, 2000 - doi.ieeecomputersociety.org

usefulness of the event for a certain application, in a certain context. ...

... Event objects handle event queues and deal with application and user events.... managing data exchange between Caliper and its monitored processes for counters, events, control instructions ... of a program and can be changed interactively or via the definition of context, which is ...

Cited by 13 - Related articles - BL Direct - All 5 versions

MDICH V: Toward a coalable fault telerant MDI for velatile nor

MPICH-V: Toward a scalable fault tolerant MPI for volatile nodes

G Boslica, F Cappello, G Fedak, T Herault, ... - Proceedings of the ..., 2002 - portal.acm.org ... Thus, the whole context of a parallel execution is saved and stored in a distributed way. ... situations a) and b) is the lack of a total order over the communications events of different re ... tions, the CM

manages two types of queues: a common queue for all control messages, and one ... Cited by 203 - Related articles - All 28 versions

An object oriented approach to simulating large communication networks

AR Mikler, JSK Wong, V Honavar - The Journal of Systems & Software, 1998 - Elsevier
... In the context of our research, we assume inkspeofic parameters, such as bandwidth, to be
uniform throughout the ... a service function, and a message generator (see Figure 2). Arriving
messages are added to the queue and upon invocation by the event dispatcher, the ...

Cited by 22 - Related articles - All 13 versions

HYCARE: A hybrid context-aware reminding framework for elders with mild ...

K Du, D Zhang, X Zhou, M Mokhtari, M Hariz, ... - Lecture Notes in ..., 2008 - Springer

... 3. A snapshot of FEFS queue ... a simple software tool for caregivers to create and edit the reminding services with respect to the events and conditions ... Information Technology in Biomedicine 10(2), 323–333 (2006) 3. Dey, AK, Abowd, GD: CybreMinder: A Context-Aware System ... Cited by 2 - Related articles - All 2 versions

[HTML] A dynamic operating system for sensor nodes

CC Han, R Kumar, R Shea, E Kohler, M Srivastava - usenix.org

... By adopting an event driven architecture, SOS is able to support a comparable amount of concurrency without the context switching overhead of ... and behave somewhat like TinyOS tasks;

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usenix.org [HTML]

the main SOS scheduling loop takes a message from a priority queue and delivers ... Cited by 282 - Related articles - Cached - All 36 versions

IPDFI Multi-platform architecture for routing protocol design for wireless and ad-...

T di Laurea Specialistica - grc.upv.es

... Moreover PICA was ported to new operating systems available on market. In order to evaluate PICA in a real context, this thesis analyzes OLSR implemented with PICA, ... planned early in the development process, and that testing concerns both static and dynamic activities. ... Related articles - View as HTML

On mobility extensions of UML statecharts, A pragmatic approach

D Latella, M Massink - Lecture notes in computer science, 2003 - Springer ... of E. We let E[(g, e)] denote the multi-queue equal to E except that on queue (named) g of ... n)] where E[•] Δ = E. 4 Notice that in this paper we use a syntax for event sending (namely ... 5 This

is a similar situation as in the π – calculus [11], although in a completely different context. ... Cited by 2 - Related articles - BL Direct - All 9 versions

Event-based synchronization

B Ramesh, D Mahata, SS Sharma - US Patent 7,117,496, 2006 - Google Patents ... One or more of the execution entities Threads associated or belonging to the process share the are adapted to wait on the event, and a controller is adapted same execution context, ... 22. The

article of claim 19, wherein the queue of the first event object contains entries ... Cited by 1 - Related articles - All 2 versions

IPDFI Mobile Active Objects for highly dynamic distributed computing

G Fortino, F Frattolillo, W Russo, E Zimeo - Proceedings of the 16th 2002 - Citeseer

A MAO is basically characterized by an identity, a dynamic behavior, and interaction mechanisms, ... the MAO response to the events depends on; (ii) an event queue (MEQ), which ...

Cited by 9 - Related articles - View as HTML - All 11 versions

IPDFI The Evolution of Internet-Scale Event Notification Services

A Rifkin, R Khare - Workshop on Internet Scale Event ..., 1998 - 4k-associates.com

the invoke vs. poll options Event queue can select events by bounds, type, etc. ...

... Page 9, 13 July 1998 9 Clustering by Application Context ... USENET News Articles, named by message-ID, can be posted to a set of groups within a distribution region until expiry ... foreshadowing

... In this context, new application domains such as M-commerce, mobile multimedia, and cooperative ...

Cited by 2 - Related articles - View as HTML - All 3 versions

Pcc: A modeling technique for mixed control/data flow systems

T Gritker, R Schoenen, H Meyr - doi.ieeecomputersociety.org

... An event queue may be annotated an integer num- ber of cuts (cp. ... has to define at most the total ordering of those data flow processes that interfere with the event driven portions ... Furthermore,

the notation of scheduling constraints proves generally helpful in the context of code http://scholar.google.com/scholar/fib=ec&mum=100&n=muse+and+event+and++_md+dynamic+and+bind+and+aldbal&bunG=Search&as_sdt=2010&as_vb=&as_vis=0 (14 of 1711/12/2010 11:46:12 PM

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Cited by 21 - Related articles - All 5 versions

[PDF] An Example Embedded System Application: A Mobile Terminal

S Port - 2004 - ee.ucla.edu

S roti - 2004 - ee.uca.euu.

Virtual Delta Timers • Dynamic Memory Management (heap) • Support Module Insertion • Event driven Sensing Interface • Cross Platform ... More elaborate scheduling scheme where task has context • Easier to debug • Minimum use of macros ... 3 Send Queue 4 5 Network ...

View as HTMI

ucla.edu [PDF]

Towards merging context-aware, mobile and grid computing

AC Yamin, JV Barbosa, I Augustin, LC da ... - ... Journal of High ..., 2003 - hpc.sagepub.com ... The set of supported host workload indexes comprises host availability, host usage; process run-queue length; total and ... a blocking read operation in the history of the Holoparadigm being, waiting a process ride event to dynamically ... CONTEXT-AWARE GRID COMPUTING ... Cined by 50 - Related articles . Bl. Direct - All 4 versions

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гвоокі Cinema and the city: film and urban societies in a global context

M Shiel, T Fitzmaurice - 2001 - books.google.com

... City. South African Cinema in the 1950s and Jamie Uys's The Urgent Queue Gary Baines ... social and cultural theory; the second, "Film and Urban Societies in a Global Context," introduces in ... The success of the event, the creativity of the many opinions and ideas expressed, and ... Cited by 43 - Related articles

psu.edu [PDF]

[PDF] On the fly model checking of communicating UML State Machines

S Gnesi, F Mazzanti - Second ACIS International Conference on Software ..., 2004 - Citeseer ... Initial default transitions are required not to have actions, static and dynamic choice transitions are ... as shown by the following simplified scheme I.E. Env represents the "current context" in which a ... node (its active, states, the values or its variables, the content of the events queue) ... Cited by 27 - Related articles - View as HTML - All 15 versions

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usik A Micro-Kernel for Parallel/Distributed Simulation Systems

KS Perumalla - Proceedings of the 19th Workshop on Principles of ..., 2005 - portal.acm.org ... (A variation of Jha and Bagrodia's protocols is later discussed in [4], but in the context of VLSI applications). ... Event retractions need to be dealt with appropriately, as they too after timestamp ordering. ... For scheduler operations, three important priority queues are maintained ... Cited by 43 - Related articles - All 11 versions

An overview of PCTE and PCTE+

Geoudier, F Gallo, R Minot, I Thomas - ACM SIGPLAN Notices, 1989 - portal.acm.org
... represented by a link (of type reserved-message-queue and category secondary) from the process
to the message queue. ... Each PCTE process executes in the context of an activity ... to prevent some
of the modifications made during a transaction being rolled back in the event of a ...
Cited by 149 - Related articles - All 3 versions

http://scholar.google.com/scholar/fil=en&num=100&q=quane+and+even+and++...nd+dynamic+and+bind+and+ghbal&btuG=Search&sa_sob=2000&as_ylo=&as_vis=0 (15 of 17)1/12/2010 11:46:12 PM

XSED-XML-based Description of Status-Event Components and Systems

A Dix, J Leite, A Friday - Proc. of EIS, 2008 - Springer

... The resulting queue of unprocessed events grew during the game! ... The onCue product it supported was a form of context-aware internet toolbar, so shared many features with more physical sensor-based systems. ... 4. Abstract status-event component ...

Cited by 4 - Related articles - All 6 versions

Load balancing policies for multiple home agents mobile IP networks

A Vasilache, J Li, H Kameda - Proc. 2 nd ..., 2001 - doi.ieeecomputersociety.org
... As one of our objectives is to evaluate the multiple HAs system performance in the context of
using different load balancing policies ... UPDATE TABLE Event activated by a HA in or-der to send
a table update packet to the other home agents in ... Less changes in queue states deter

Cited by 7 - Related articles - All 3 versions

[PDF] Supporting preemptive user-level threads for embedded real-time systems

Y Seo, J Park, S Hong - 1998 - Citeseer

... It provides a user-level thread with a kernel stack, and the kernel with an identifier to distinguish user-level threads running or being blocked in kernel mode. Unlike a kernel thread, however, it is a dynamic and passive entity, ... event queue interrupted thread context ...

Cited by 7 - Related articles - View as HTML - All 4 versions

IPDFI A reactive plan language

D McDermott - 1991 - Citeseer

... inside an iterative context, such as a LOOP or WHENEVER. ... (VALVE-REQUEST p valve), when the valve is in use, causes a thread to be put on a queue associated with the valve. ... in blockages. An important dass of uents are those that refer to events within the interpreter itself. ...

Cited by 118 - Related articles - View as HTML - All 9 versions

A Survey of Studying on Task Scheduling Mechanism for TinyOS

YU Min, SJ XIAHOU, LI XinYu - ieeexplore.ieee.org

... would not exist because TinyOS2.0 had a great container for the task queue. ... this event 5 event_tuple_msgnum Message number in the event tuple 6 event_priority Event priority level ...

So a new, able to dynamic configured, having adaptability and context-awareness scheduling ...

[PS] ... developing network-centric applications by dynamic composition of services

M Marazakis, D Papadakis, C Nikolaou - FORTH/ICS, Tech. Rep. TR, 1997 - ics. forth.gr ... of 52] we address the requirements of network- centric applications in dynamic open environments. ... in which applications o ering composite services are realized in the context of work ...

Event-Condition-Action (ECA) rules 31] specify the events and conditions that activate a ...

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Event-driven database information sharing

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forth.ar IPS1

L Vargas, J Bacon, K Moody - Lecture Notes in Computer Science, 2008 - Springer ... All these components are defined in the context of a database, ... Persistent queues can be non-auditable or auditable. In the first (default) case, an event is deleted from a queue when it is no longer required (eg it has been successfully delivered to a consumer). ... Cited by 5 - Related articles - All 3 versions

IPDFI Providing customized process and situation awareness in the collaboration ...

psu.edu [PDF]

D Baker, D Georgakopoulos, H Schuster, AR ... - Proceedings of the 1999 - Citeseer ... Section 4 defined a context resource as a named collection of other resources. Contexts are organized into name- value pairs called fields. A context field change event (or context event) is produced each time a field in a context re-source is modified. ...

Cited by 35 - Related articles - View as HTML - All 5 versions

[PDF] A real-time event channel model for the CAN bus

psu.edu (PDF)

J Kaiser, C Brudna, C Mitidieri - ... on Parallel and Distributed Real-Time 2003 - Citeseer ... The attributes are related to the context, in which an event is generated like location, time, mode of operation, etc. ... When the validity interval is expired, the event is completely removed from the local send queue. Section 3 provides further details about the realisation on ... Cited by 15 - Related articles - View as HTML - All 6 versions

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